

**FIG. 1**  
(Prior Art)

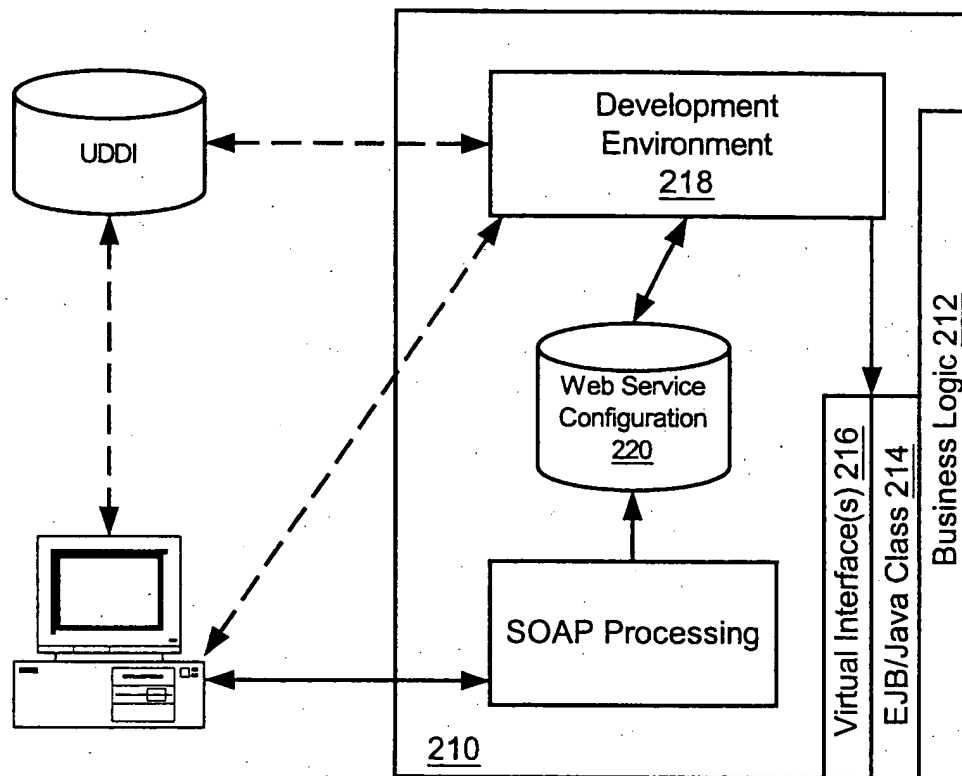


FIG. 2

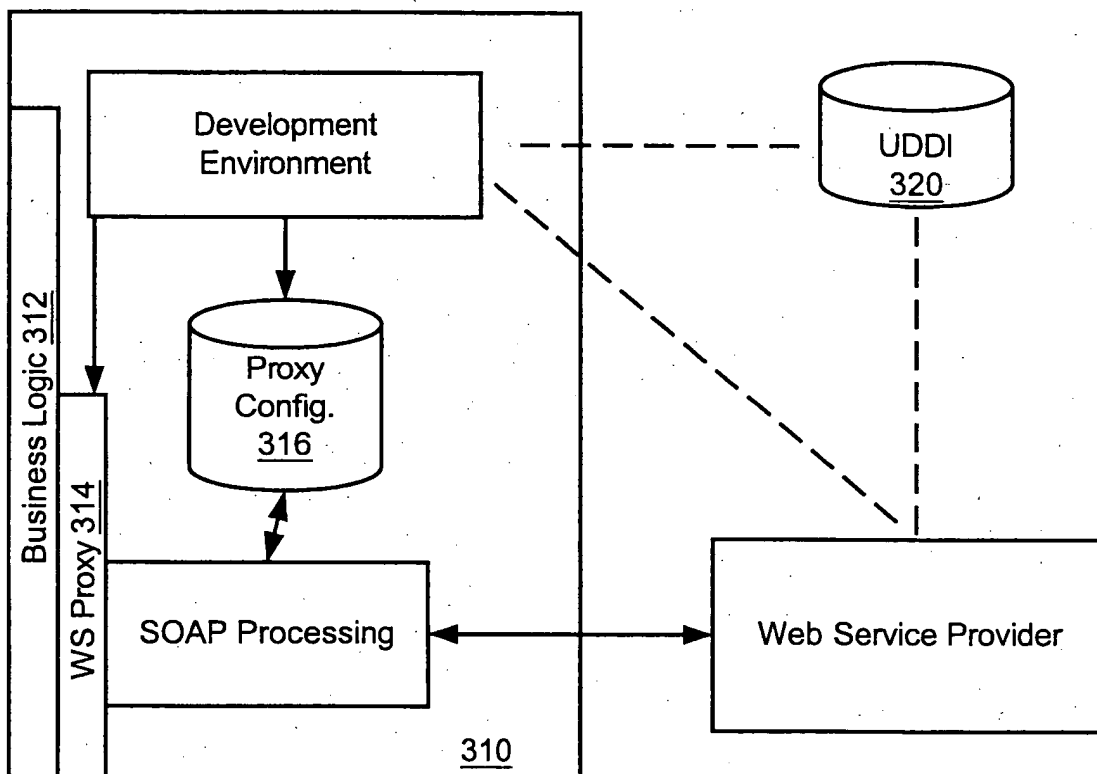


FIG. 3

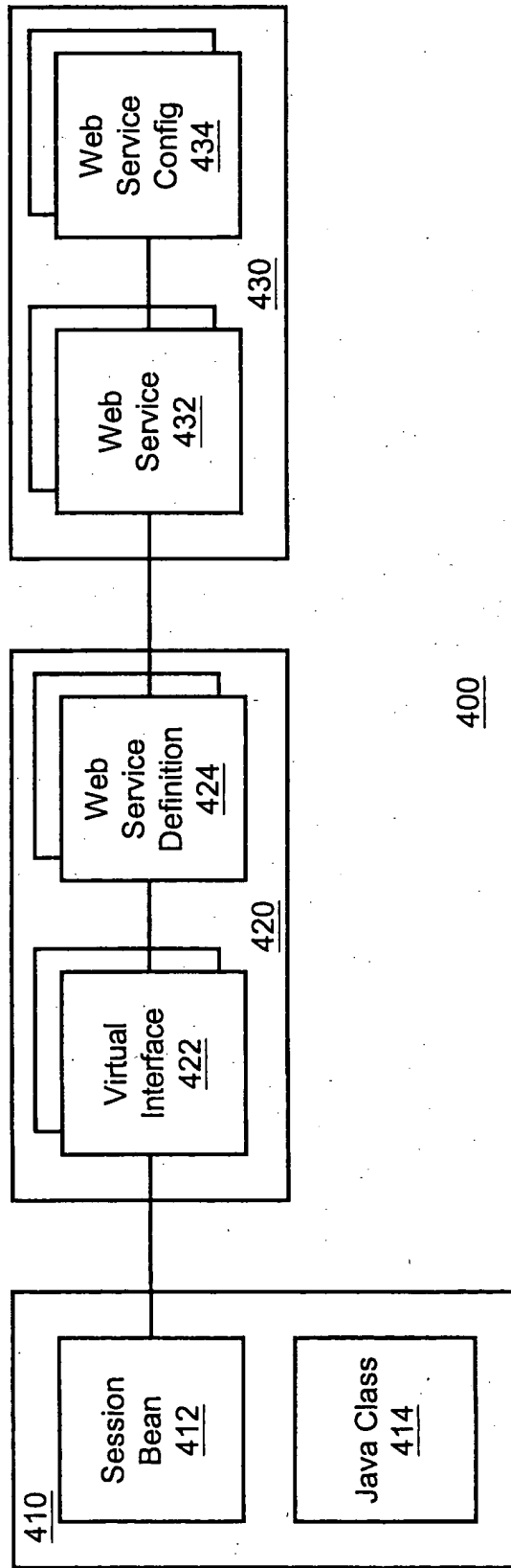


FIG. 4

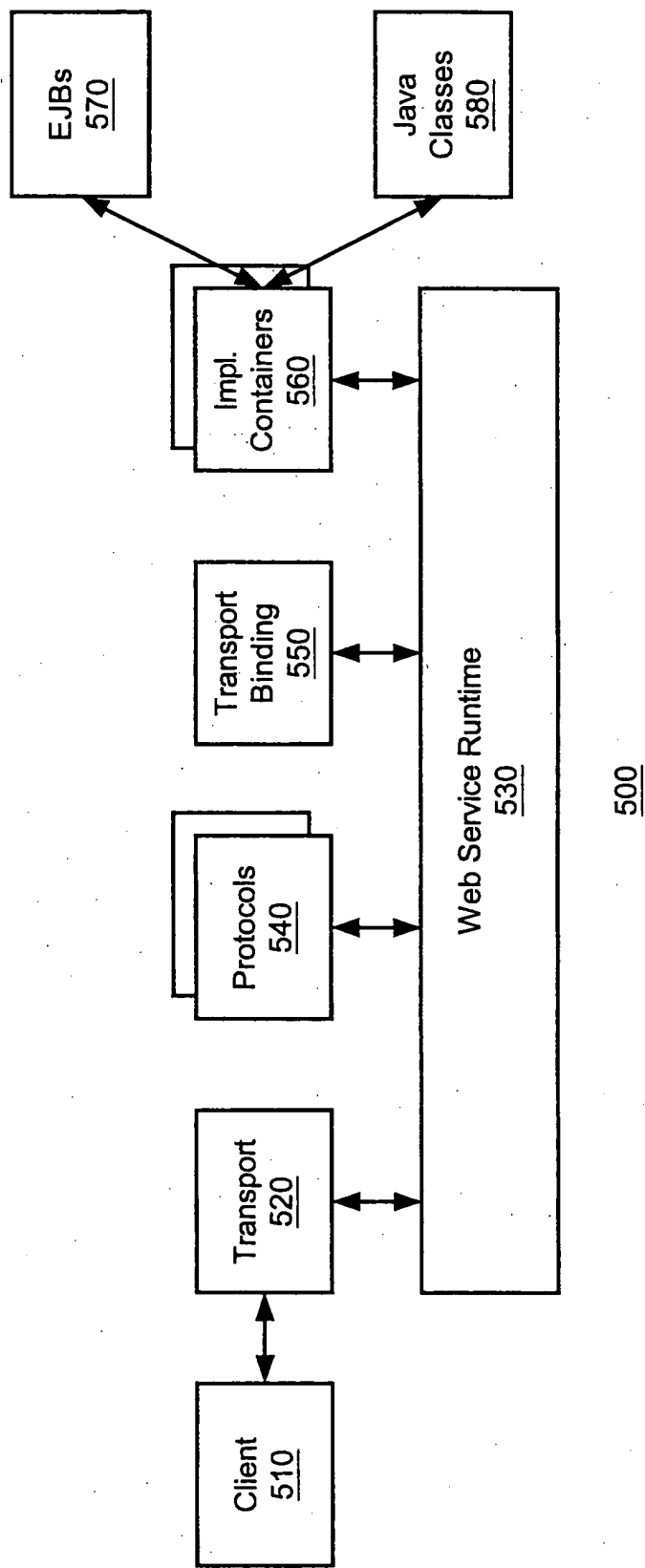


FIG. 5

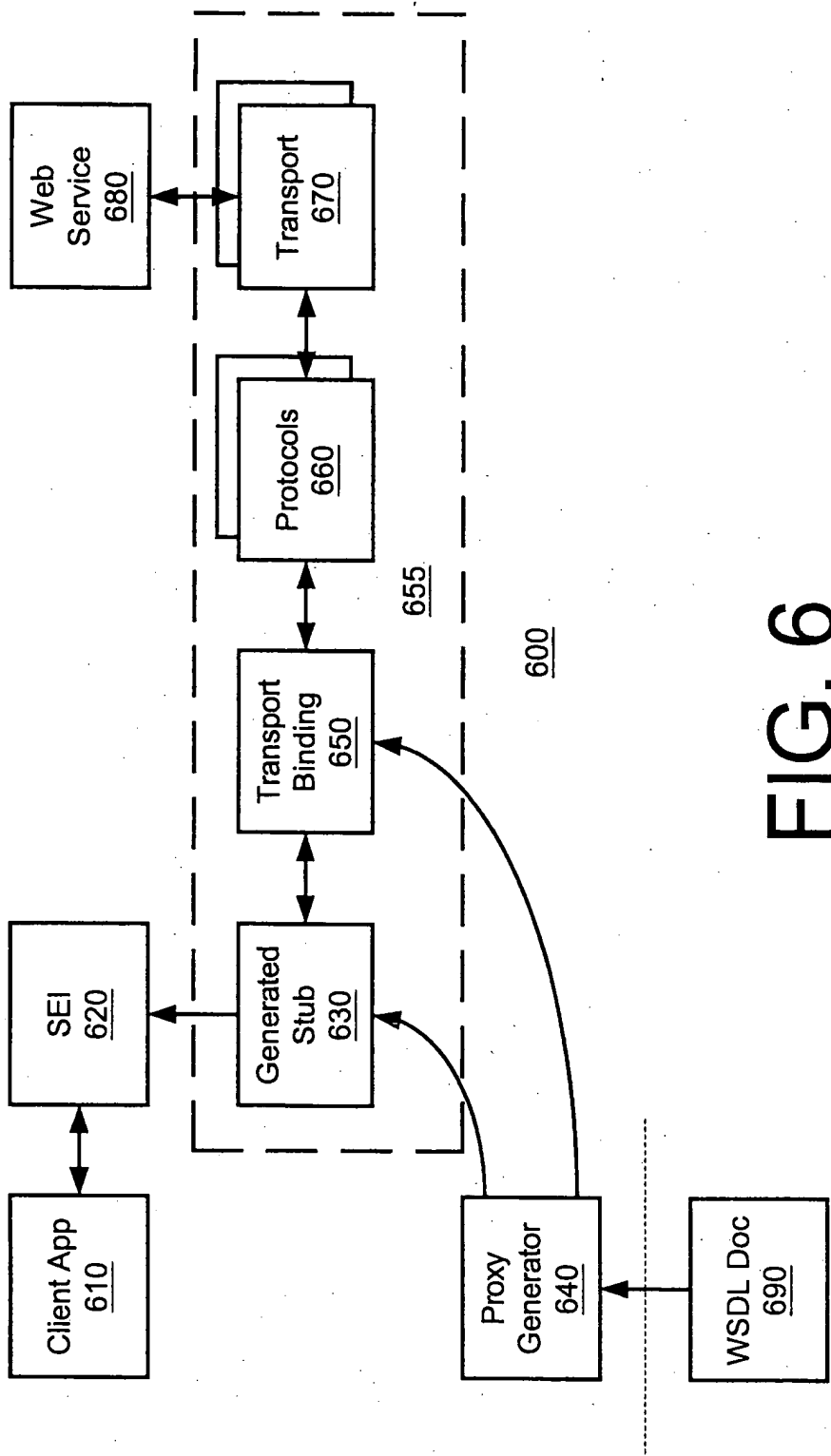


FIG. 6

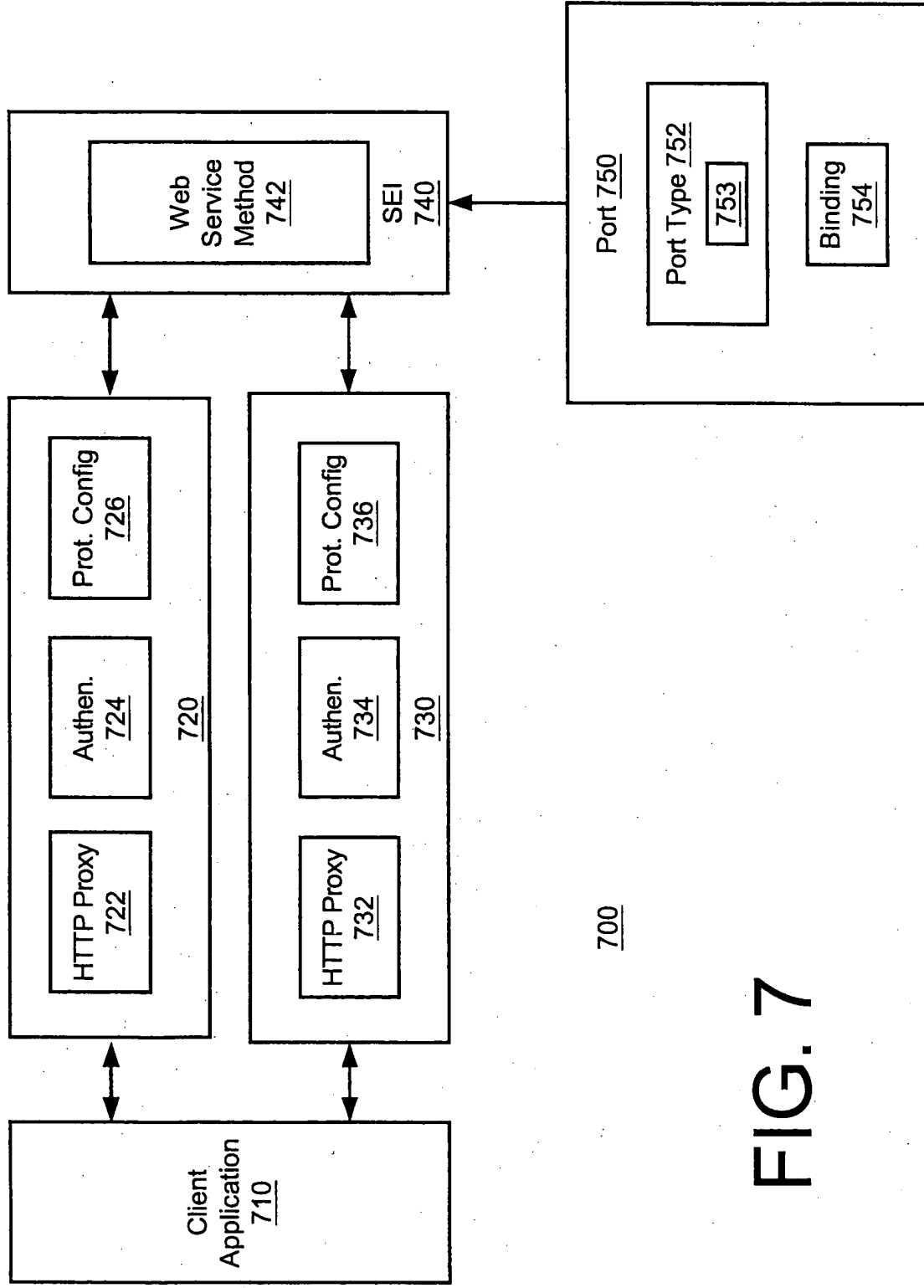


FIG. 7

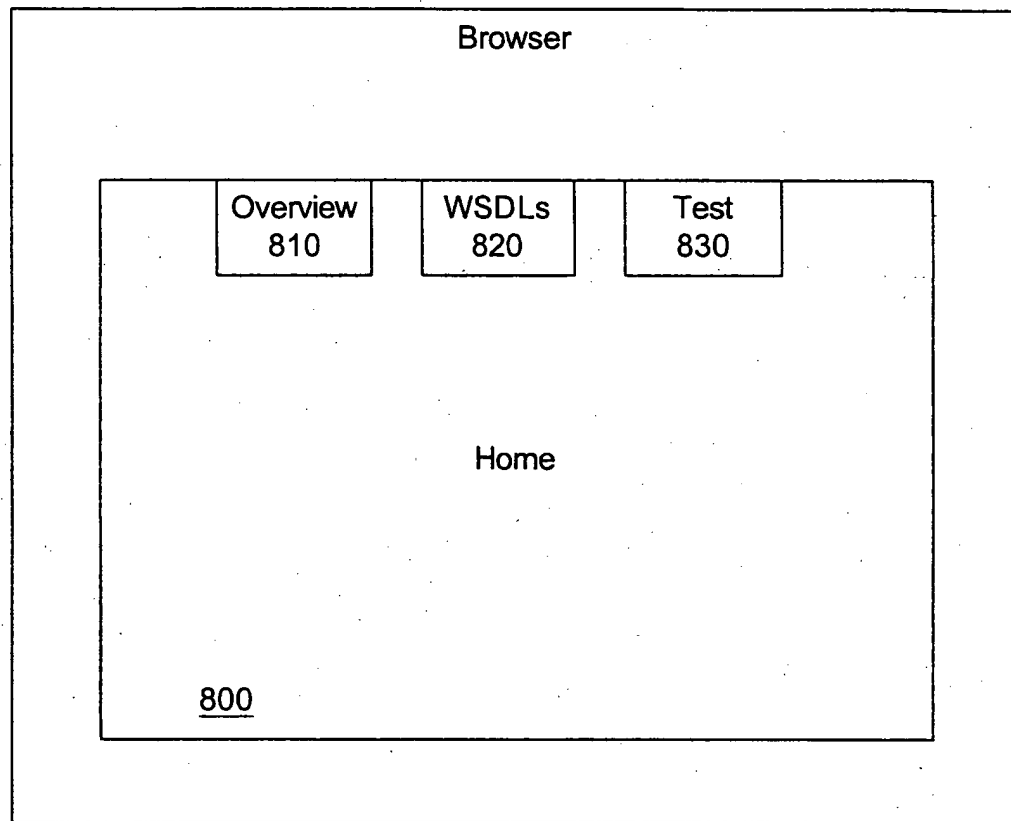


FIG. 8



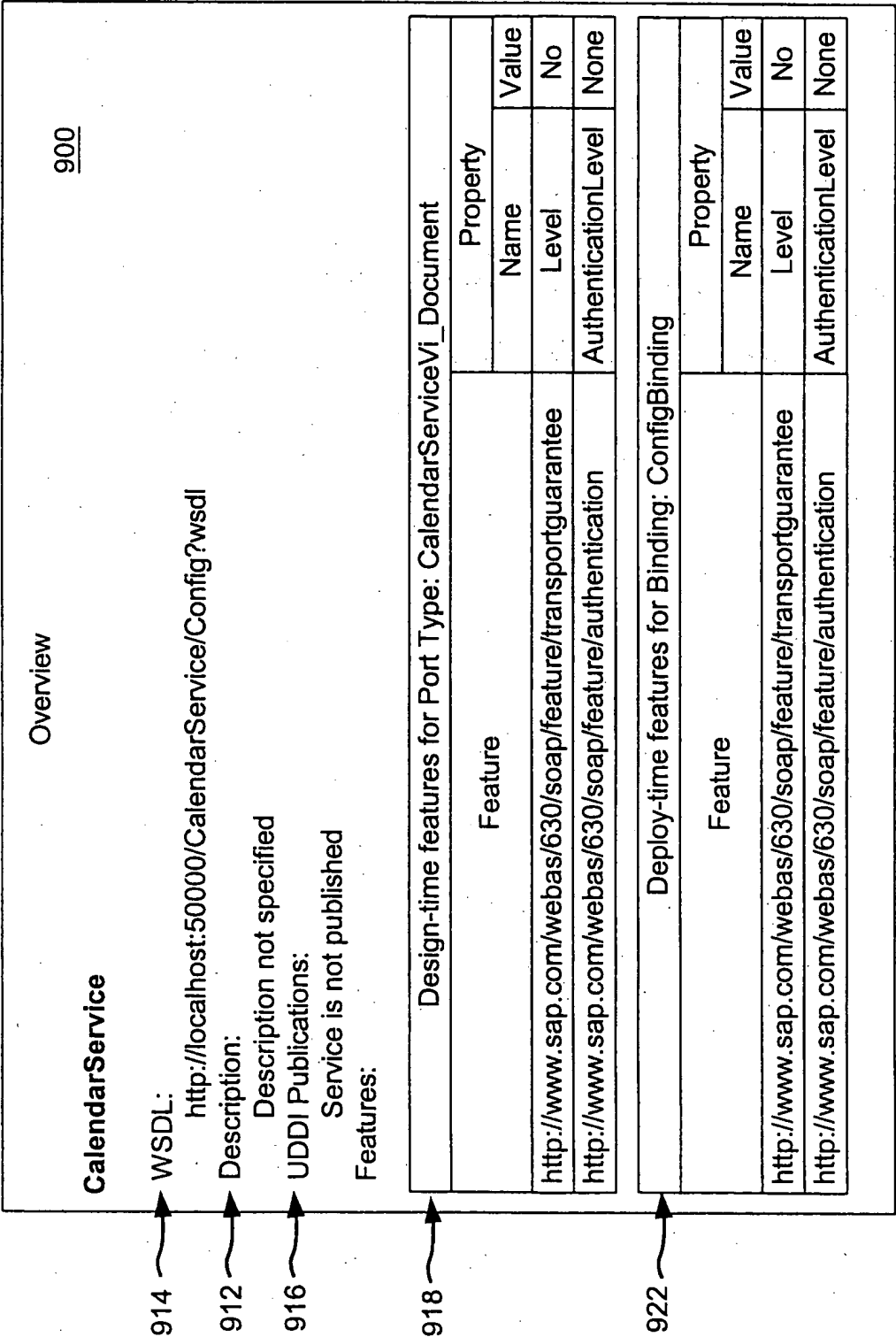


FIG. 9

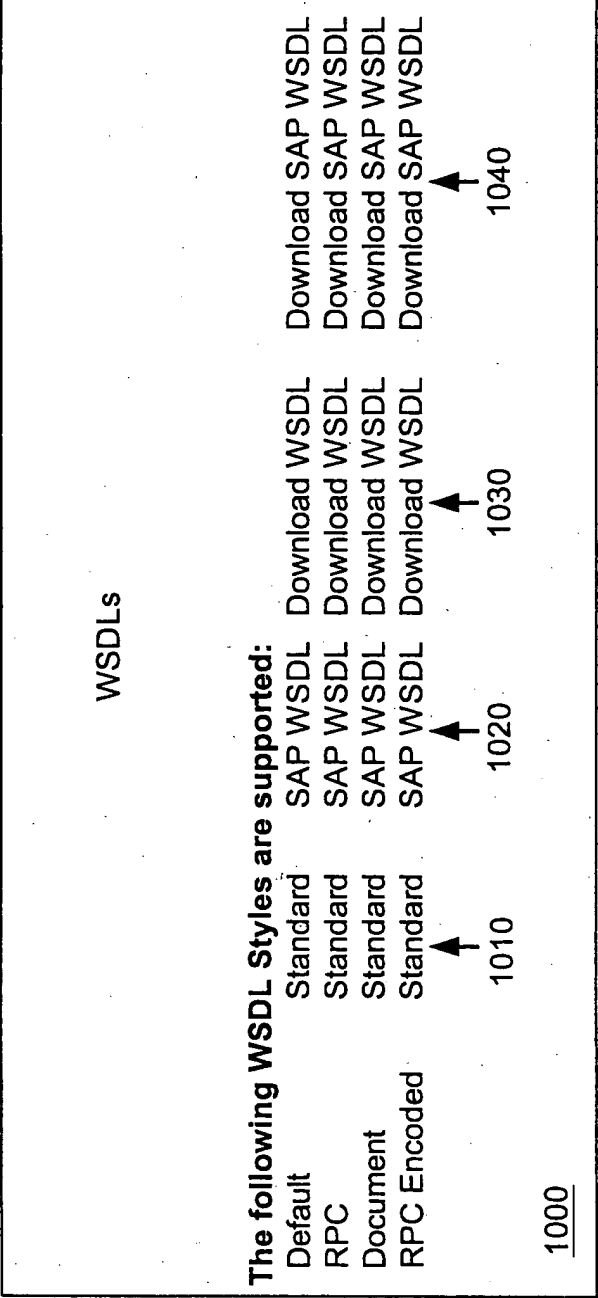


FIG. 10

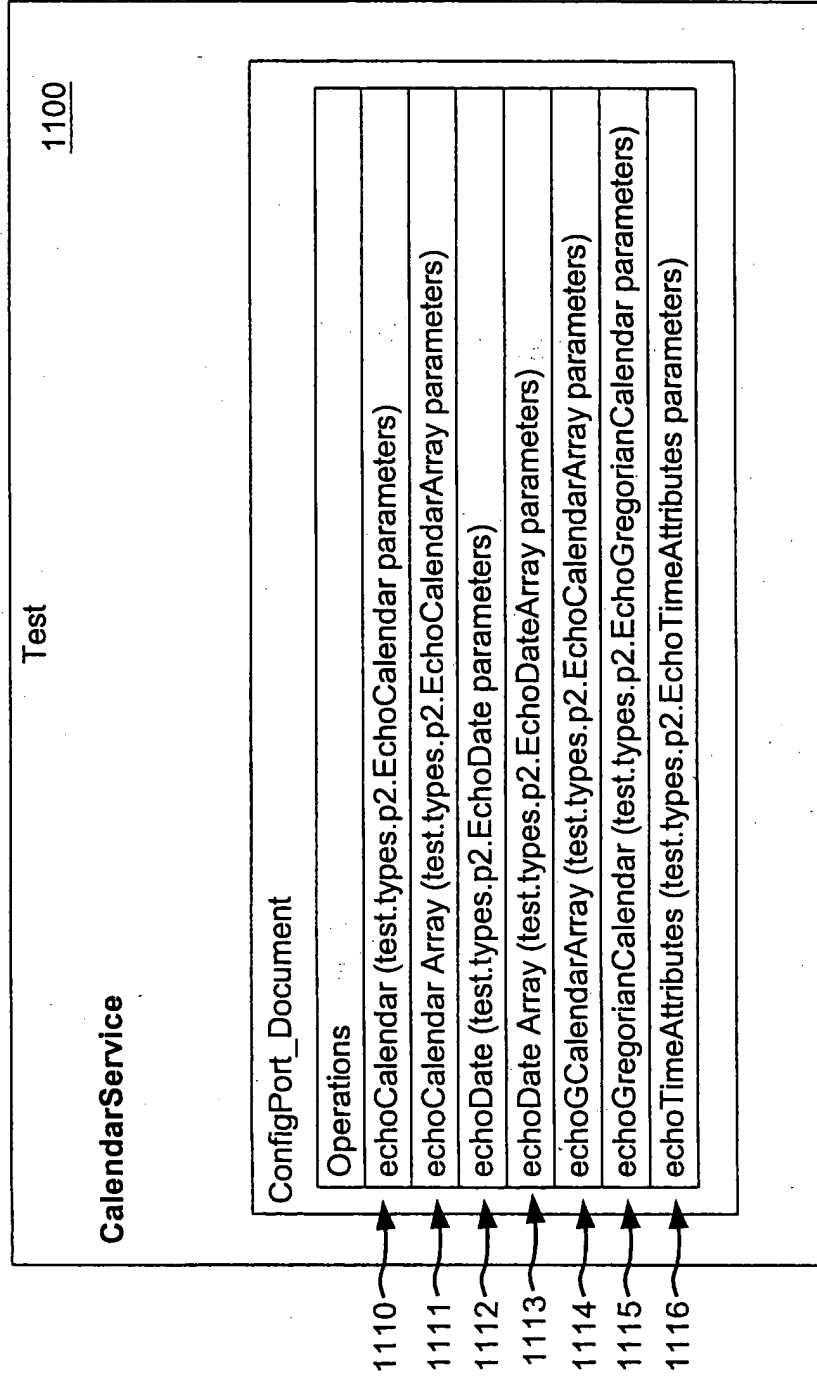


FIG. 11

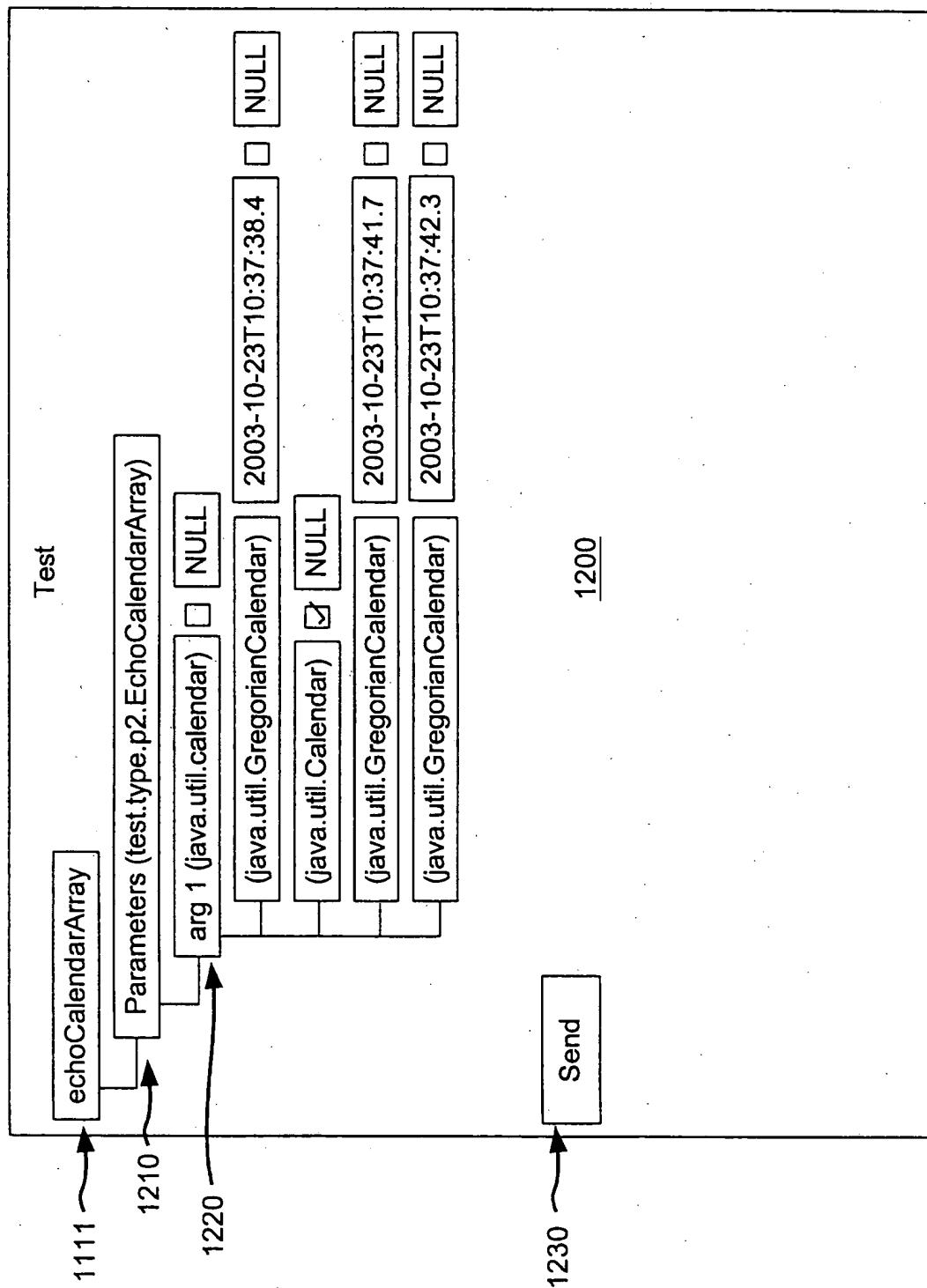
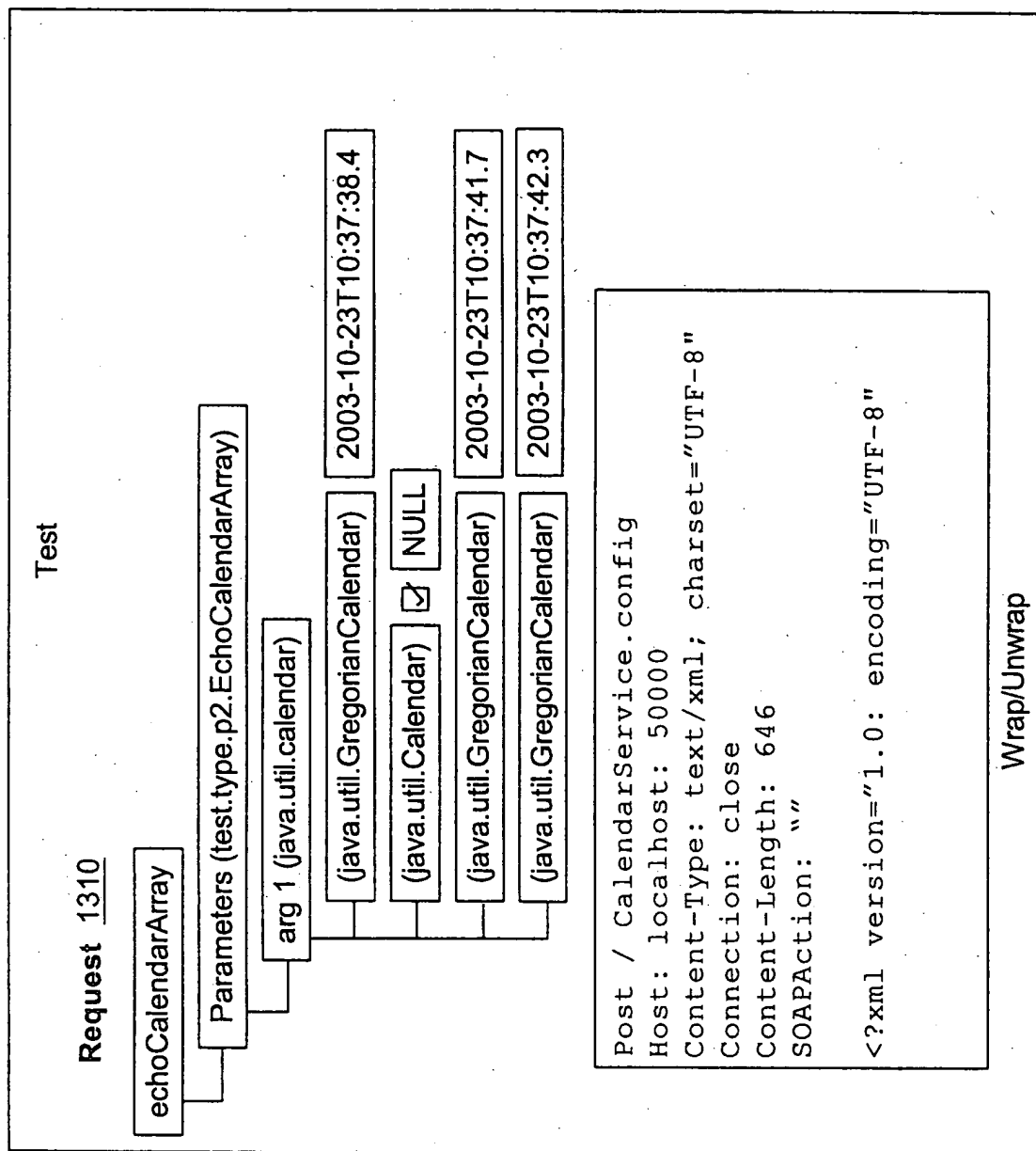


FIG. 12



1312

1314

FIG. 13A

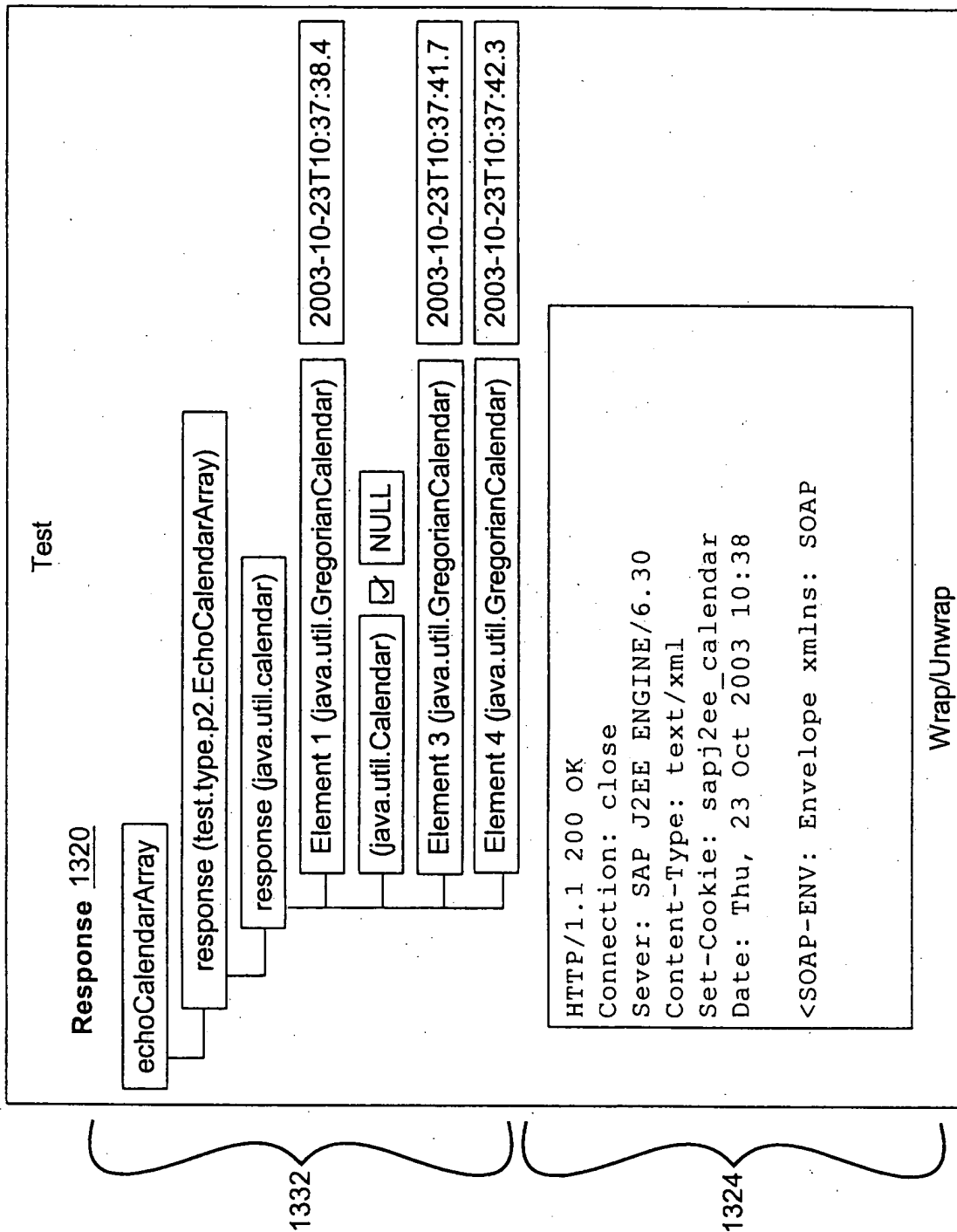


FIG. 13B

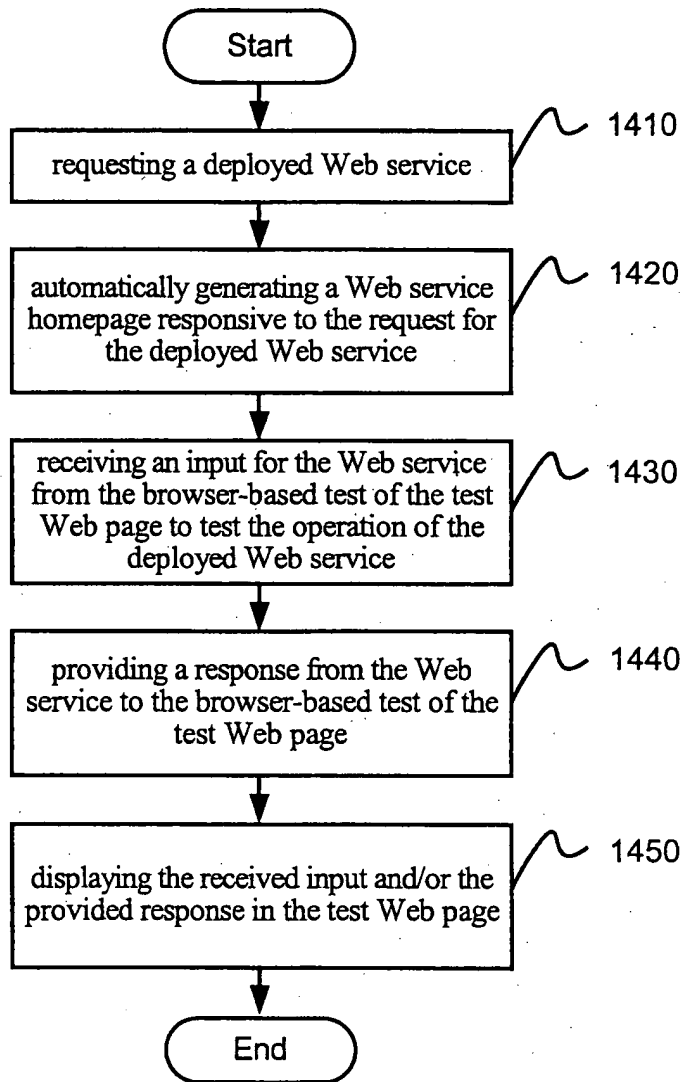


FIG. 14

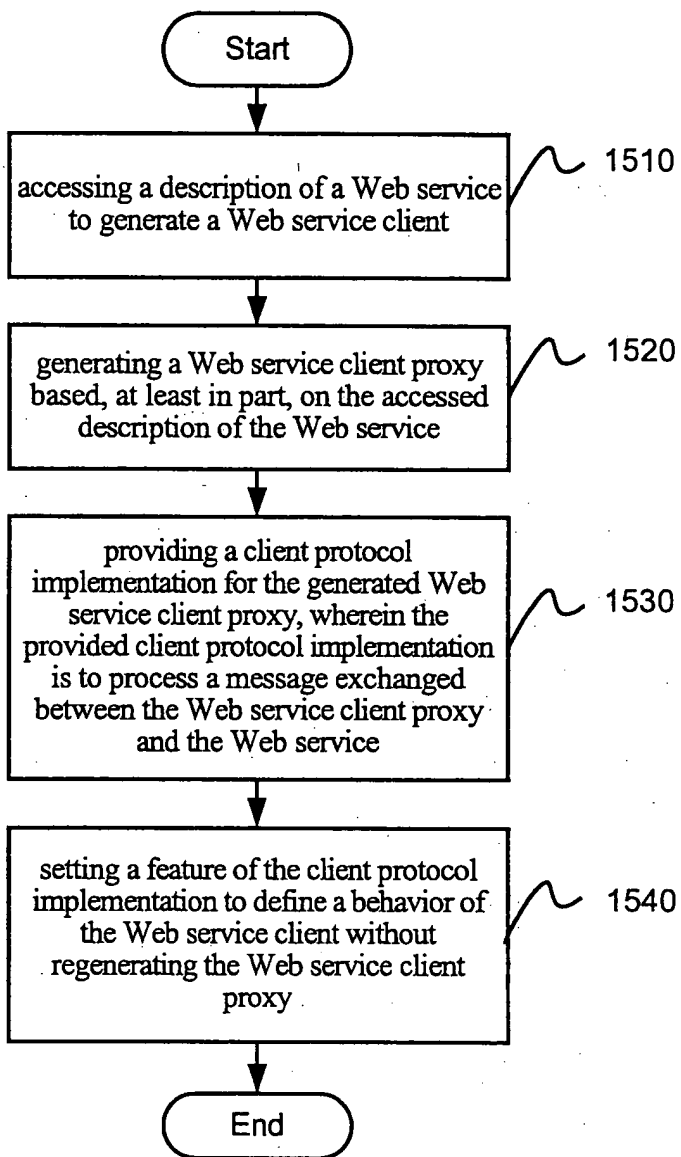


FIG. 15



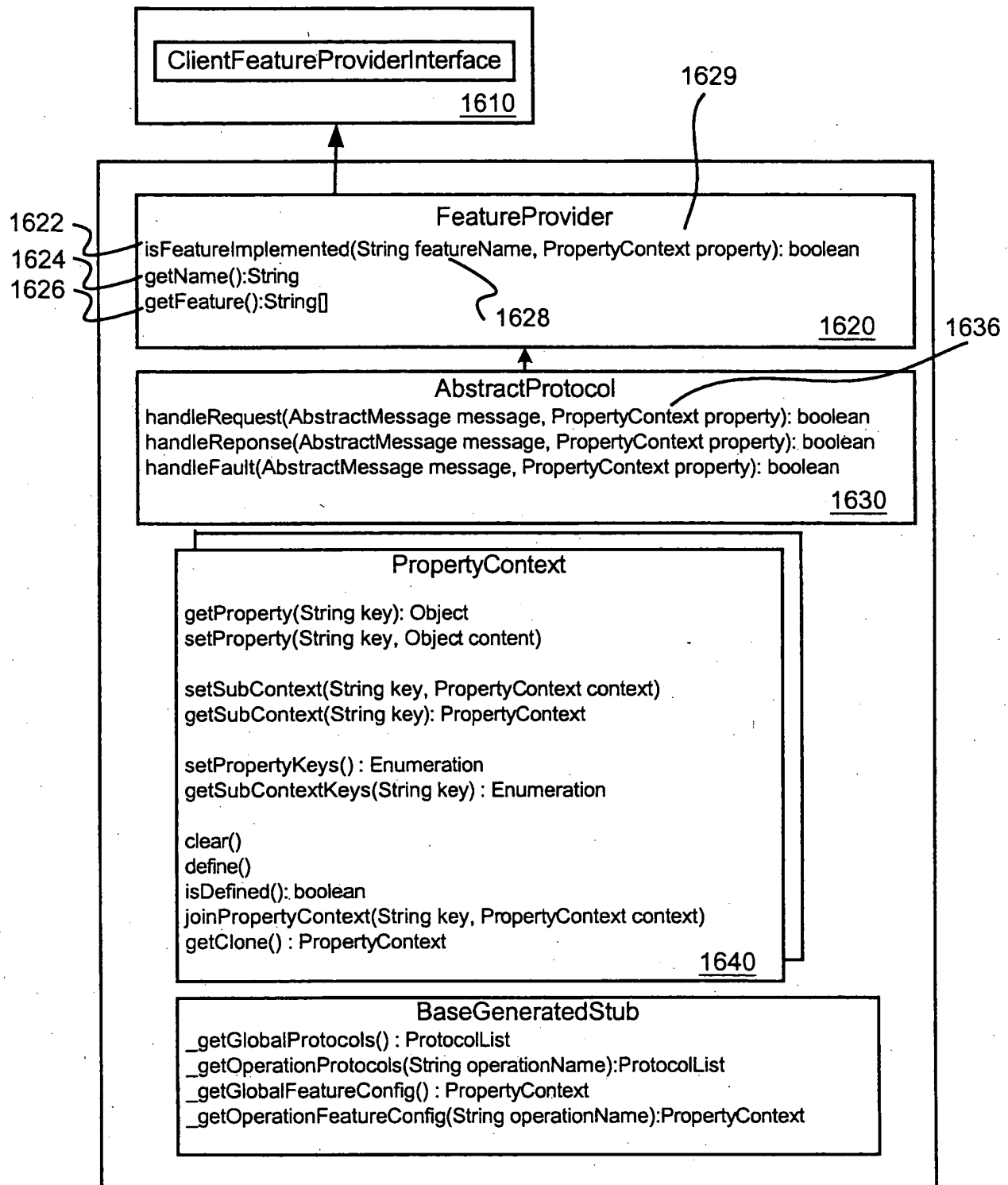


FIG. 16

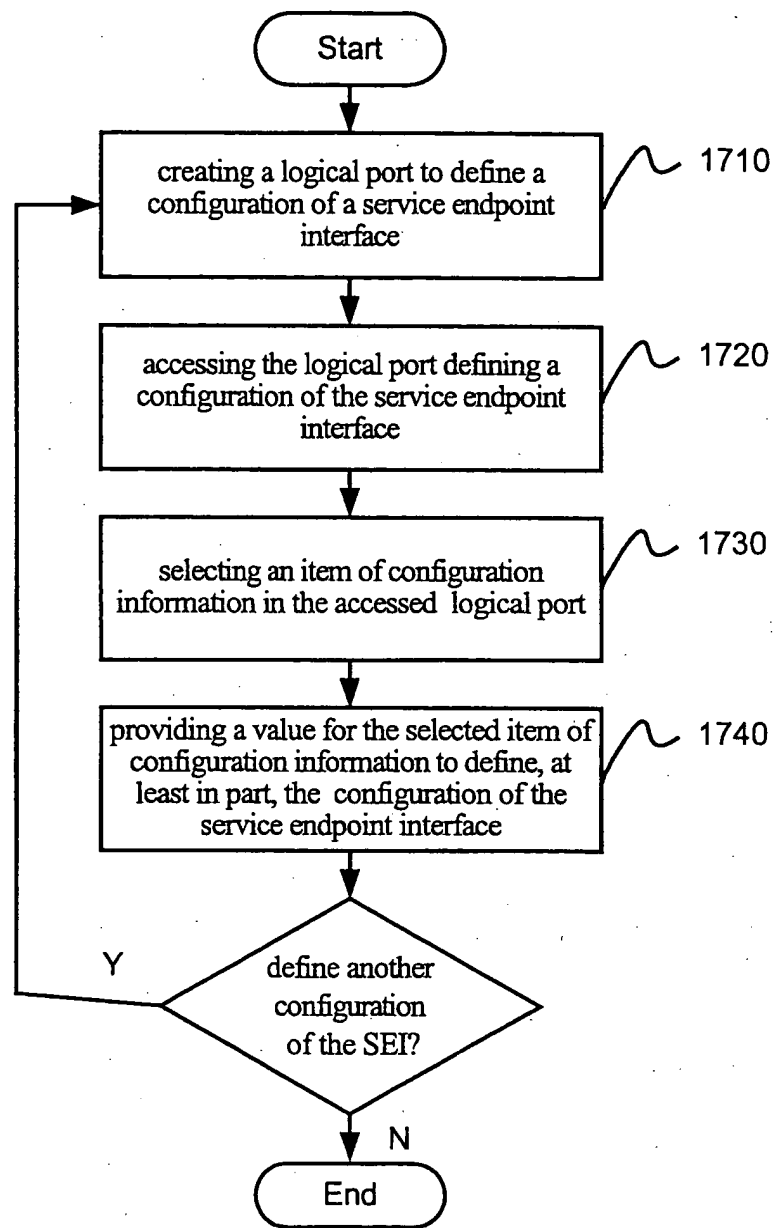


FIG. 17

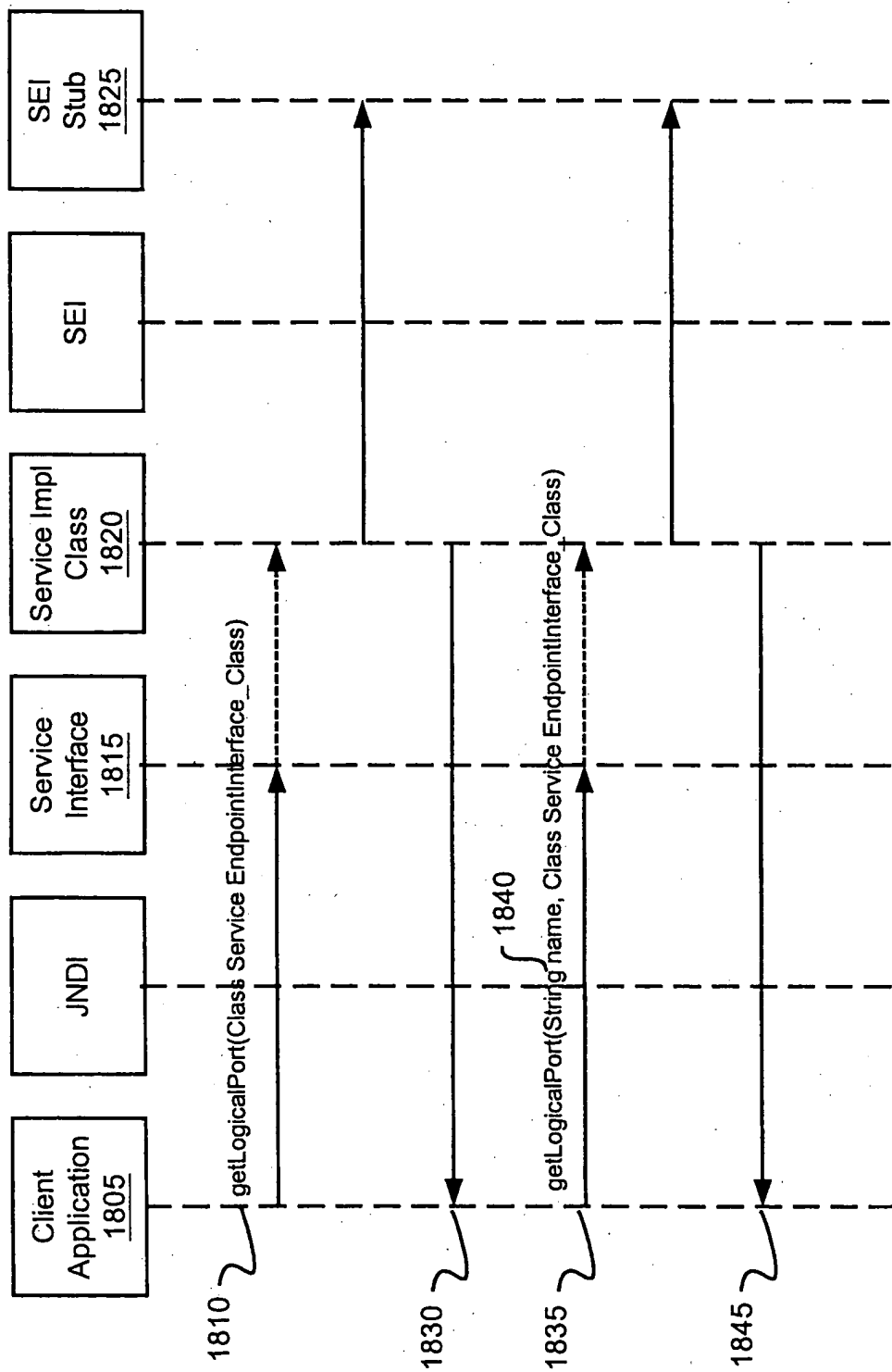


FIG. 18

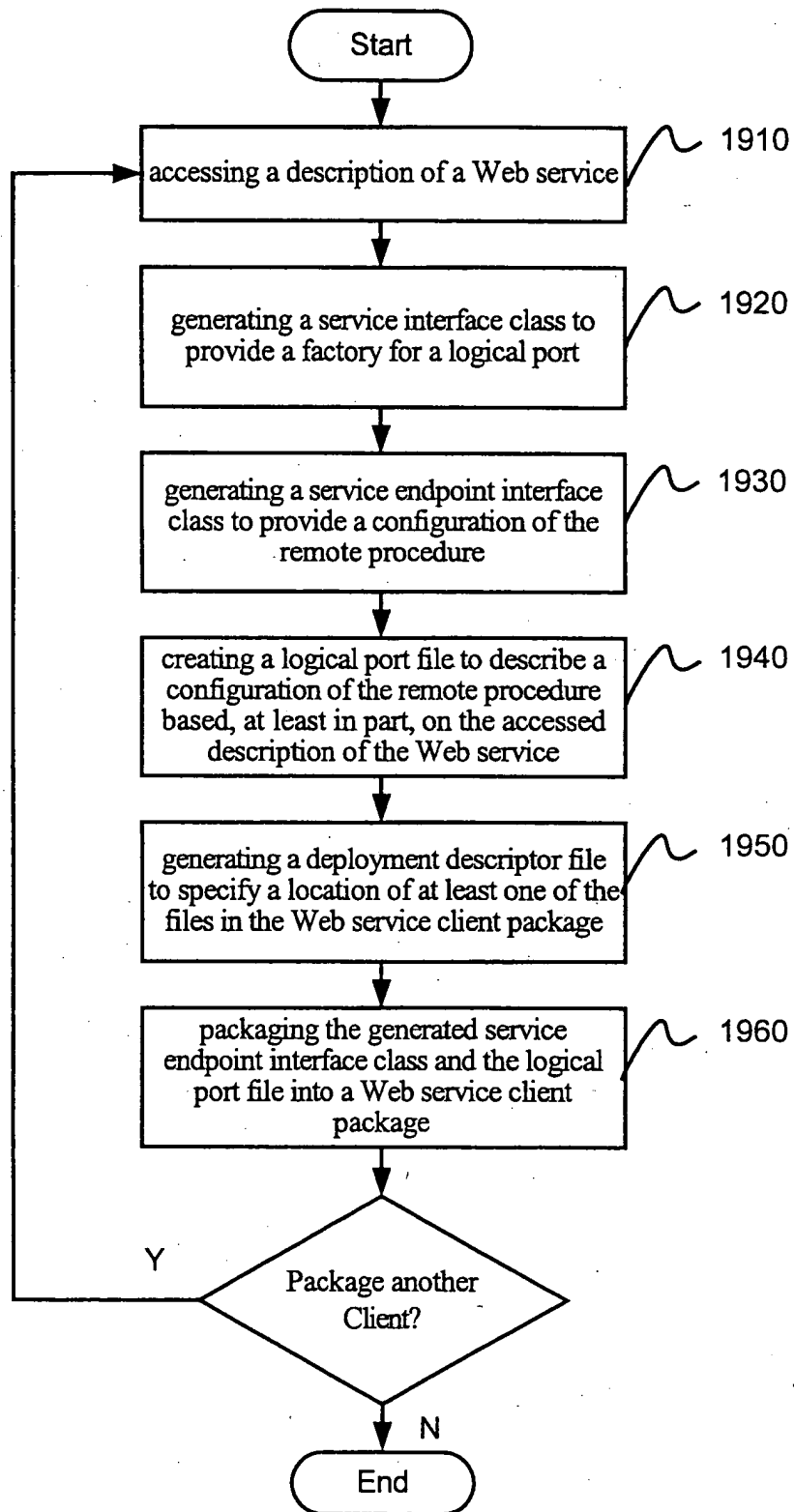


FIG. 19

```

//Source File Name: CalendarService.java

2010 { import com.sap.engine.services.webservices.jaxrpc.wsdl2java.Ipapi.LogicalPortType;
import java.rmi.Remote;
import javax.xml.rpc.Service;
import javax.xml.rpc.ServiceException;

public interface CalendarService
    extends Service
    {

2020 {     public abstract CalendarServiceViDocument getLogicalPort(String s)
        throws ServiceException;

        public abstract CalendarServiceViDocument getLogicalPort()
        throws ServiceException;

2030 {     public abstract Remote getLogicalPort(String s, Class class 1)
        throws ServiceException;

        public abstract Remote getLogicalPort(Class class 1)
        throws ServiceException;

2040 → public abstract String[] getLogicalPortNames();

2050 → public abstract LogicalPortType getLogicalPortConfigurations(String s);
    }

2000

```

FIG. 20

```

//Source File Name: CalendarServiceViDocument.java

2110 {
import java.rmi.Remote;
import java.rmi.RemoteException;
import java.util.Calendar;
import javax.xml.rpc.Stub;
import test.types.CalendarComplex;

public interface CalendarServiceViDocument
    extends Remote, Stub
{
2120 → public abstract Calendar echoCalendar(Calendar calendar)
        throws RemoteException;
2121 → public abstract Calendar[] echoCalendarArray(Calendar acalendar[])
        throws RemoteException;
2122 → public abstract Calendar echoDate(Calendar calendar)
        throws RemoteException;
2123 → public abstract Calendar[] echoDateArray(Calendar acalendar[])
        throws RemoteException;
2124 → public abstract Calendar[] echoGCalendarArray(Calendar acalendar[])
        throws RemoteException;
2125 → public abstract Calendar echoGregorianCalendar(Calendar calendar)
        throws RemoteException;
2126 → public abstract CalendarComplex echoTimeAttributes(CalendarComplex calendarcomplex)
        throws RemoteException;

}
2100

```

FIG. 21

```

    <?xml version="1.0" encoding="utf-8"?>
2210 → <LogicalPorts Name='CalendarService'>
2220 →   <LogicalPort
2231 →       Name='CalendarServiceSoapPortrpc_enc'
2232 →       Endpoint='http://localhost:80/CalendarService/
CalendarServiceSoap?style=rpc_enc'
2233 →       BindingName='CalendarServiceSoapBinding'
2234 →       BindingUri='CalendarServiceSoapBinding'
       BindingImplementation='SOAP 1.1 HTTP Binding with
Attachments'
2235 →       StubName='Calendarservice.CalendarServiceSoapBinding_Stu
b'
2236 →       Default='false'>

   </LogicalPort>
</LogicalPorts>

```

2200

FIG. 22

```
<?xml version="1.0" encoding="utf-8"?>
2310 → <ns1: ws-clients-deployment-descriptor version = "Ver. #" xmlns: ns1= "URI for
the namespace">
2320 →     <service-ref>
2331 →         <service-ref-name>test.Test</service-ref-name>
2332 →         <service-interface>test.CalendarService</service-interface>
2333 →         <package-name>test</package-name>
2334 →         <wsdl-file>wsdlroot_1_1_0.wsdl</wsdl-file>
2335 →         <logical-ports-file>lports_1.xml</logical-ports-file>
2336 →         <uri-mapping-file>mappings_1_1.properties</uri-mapping-file>
2337 →         <package-mapping-file>package_mapping_1.properties</package-
mapping-mapping-file>
        </service-ref>
    </ns1: ws-clients-deployment-descriptor>
```

2300

FIG. 23



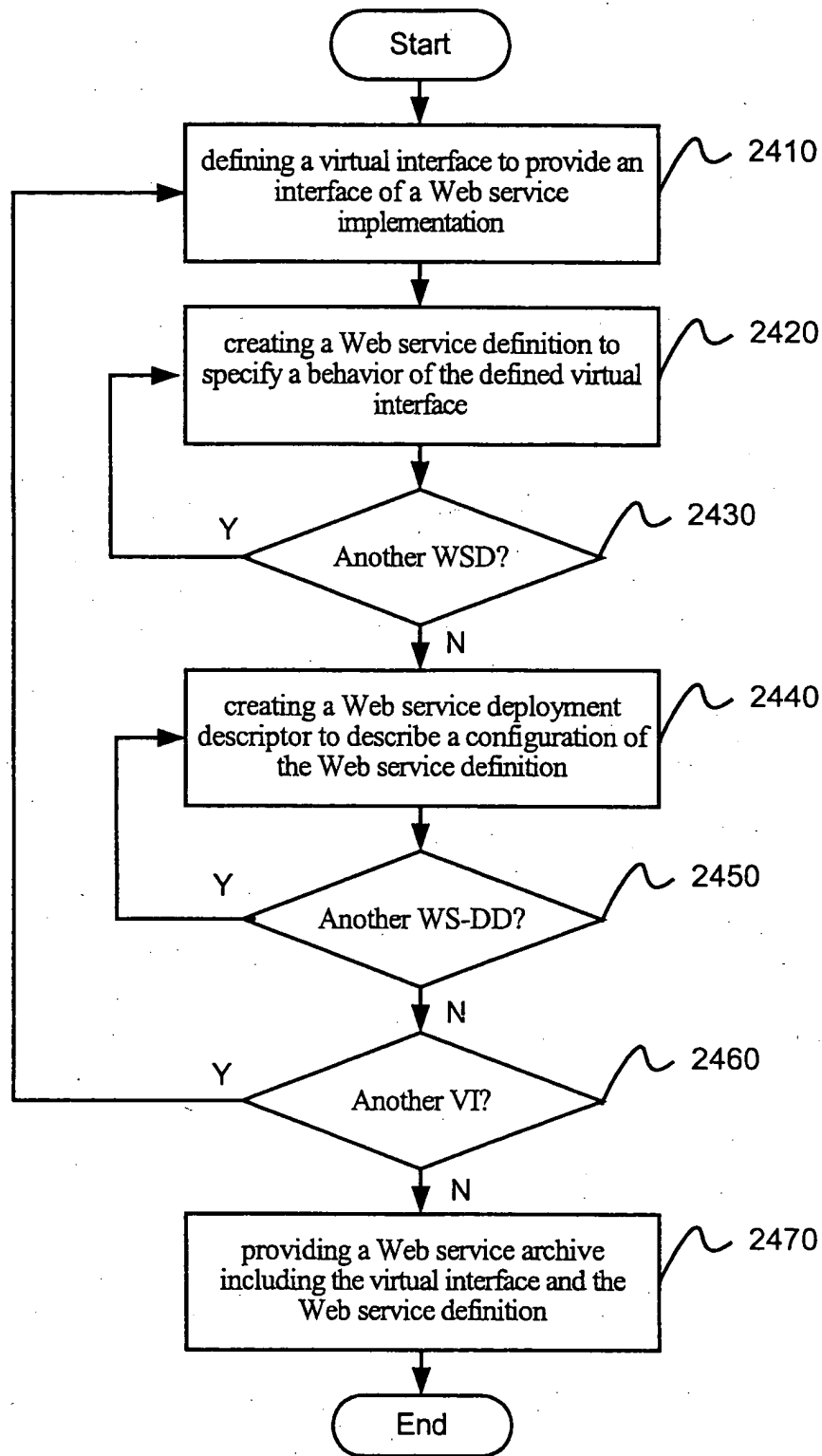


FIG. 24

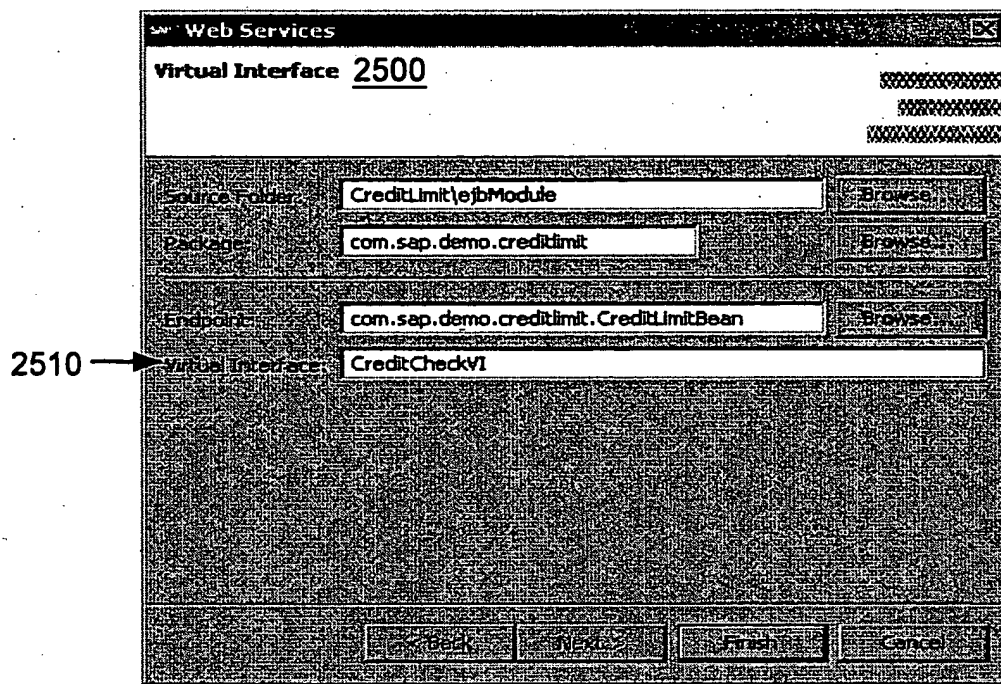


FIG. 25A

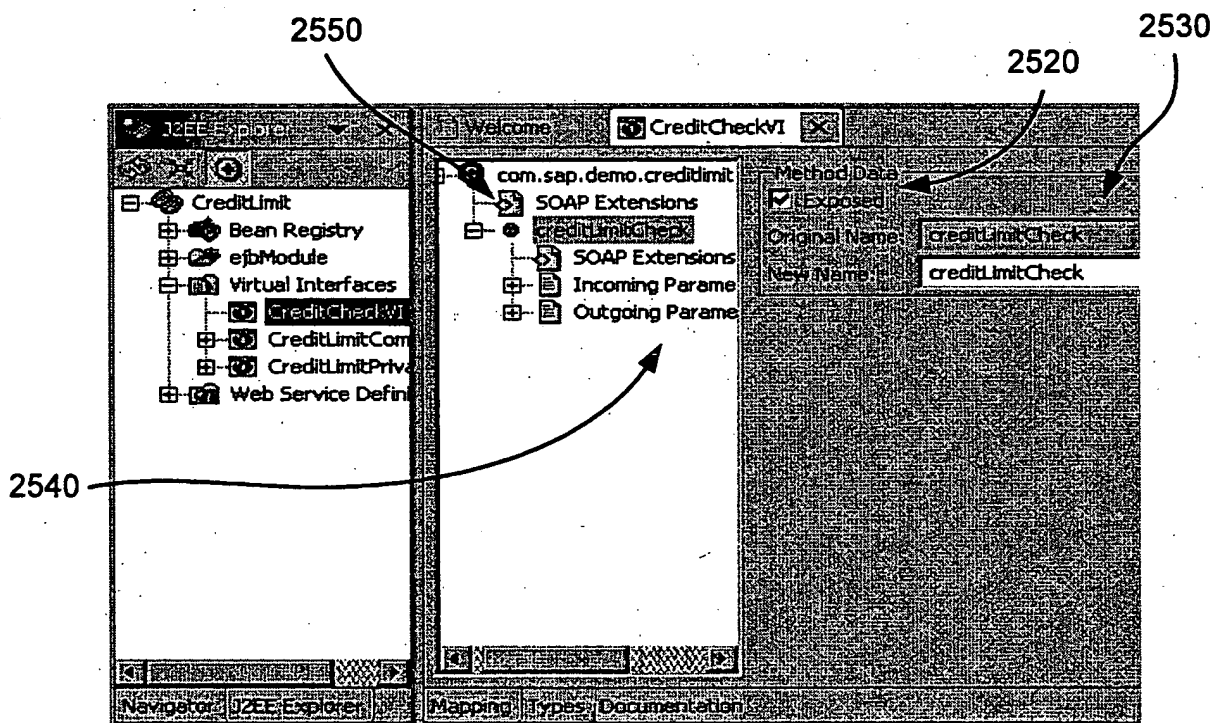


FIG. 25B

BEST AVAILABLE COPY

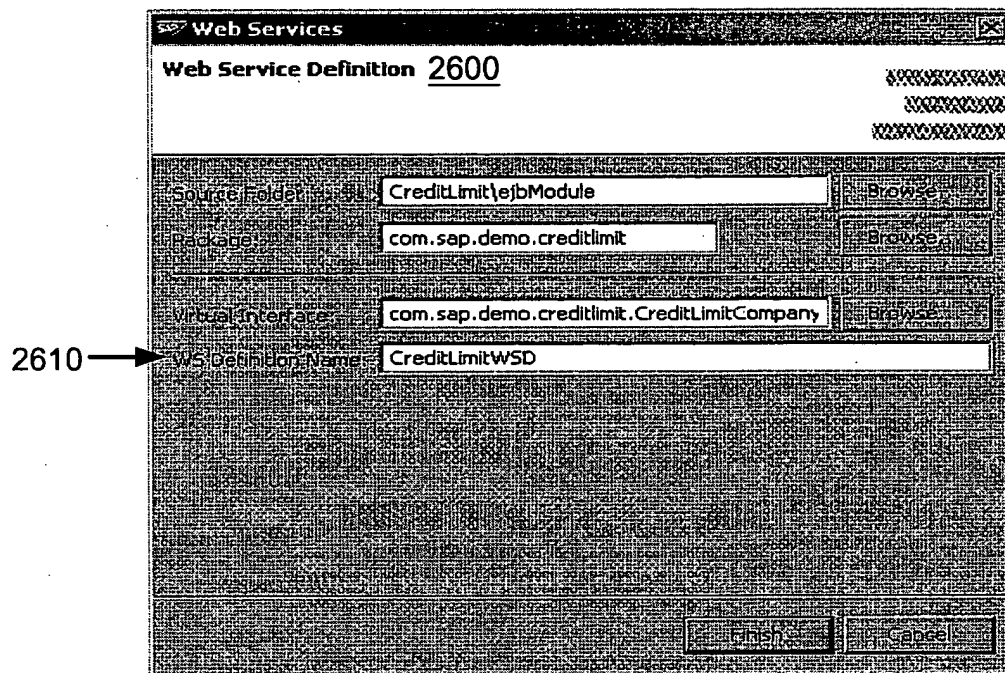


FIG. 26A

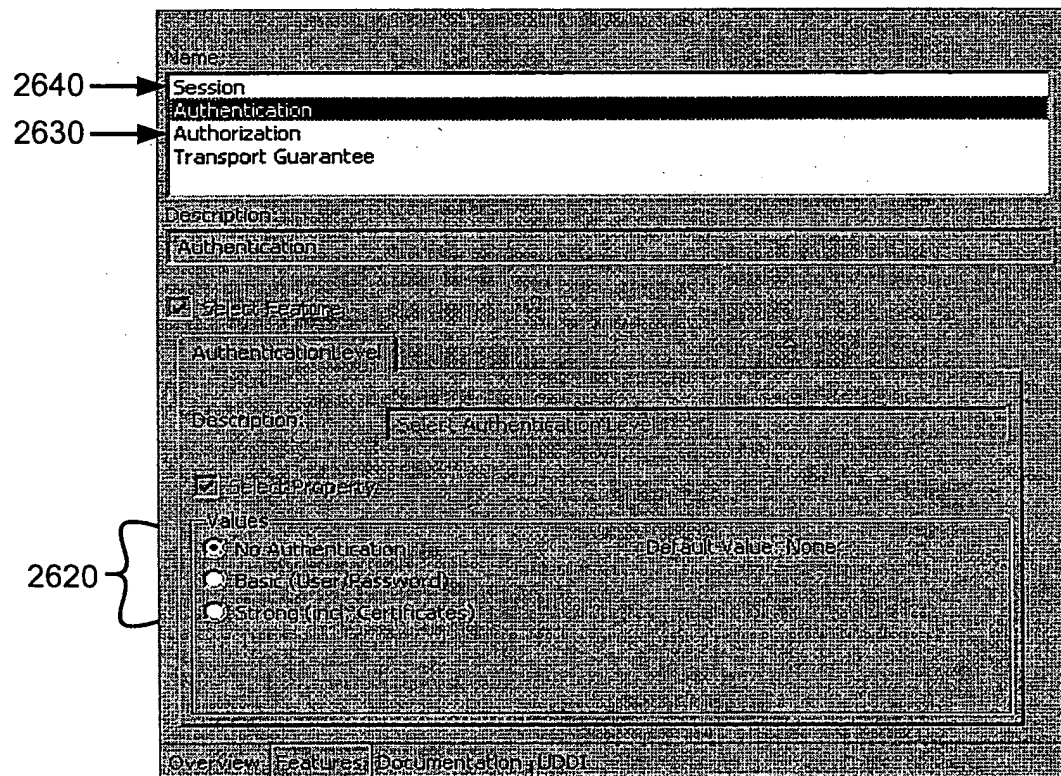


FIG. 26B

BEST AVAILABLE COPY

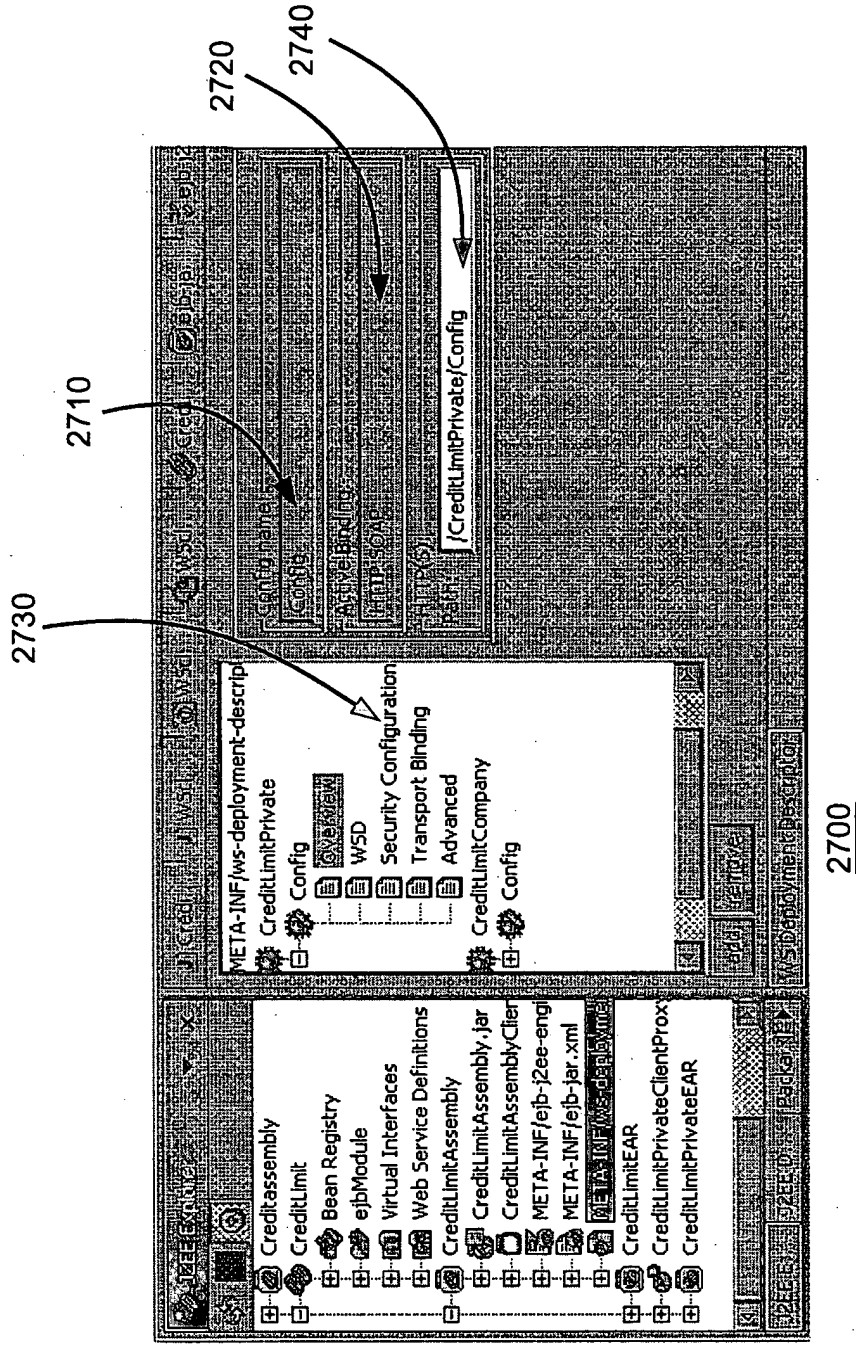


FIG. 27

BEST AVAILABLE COPY

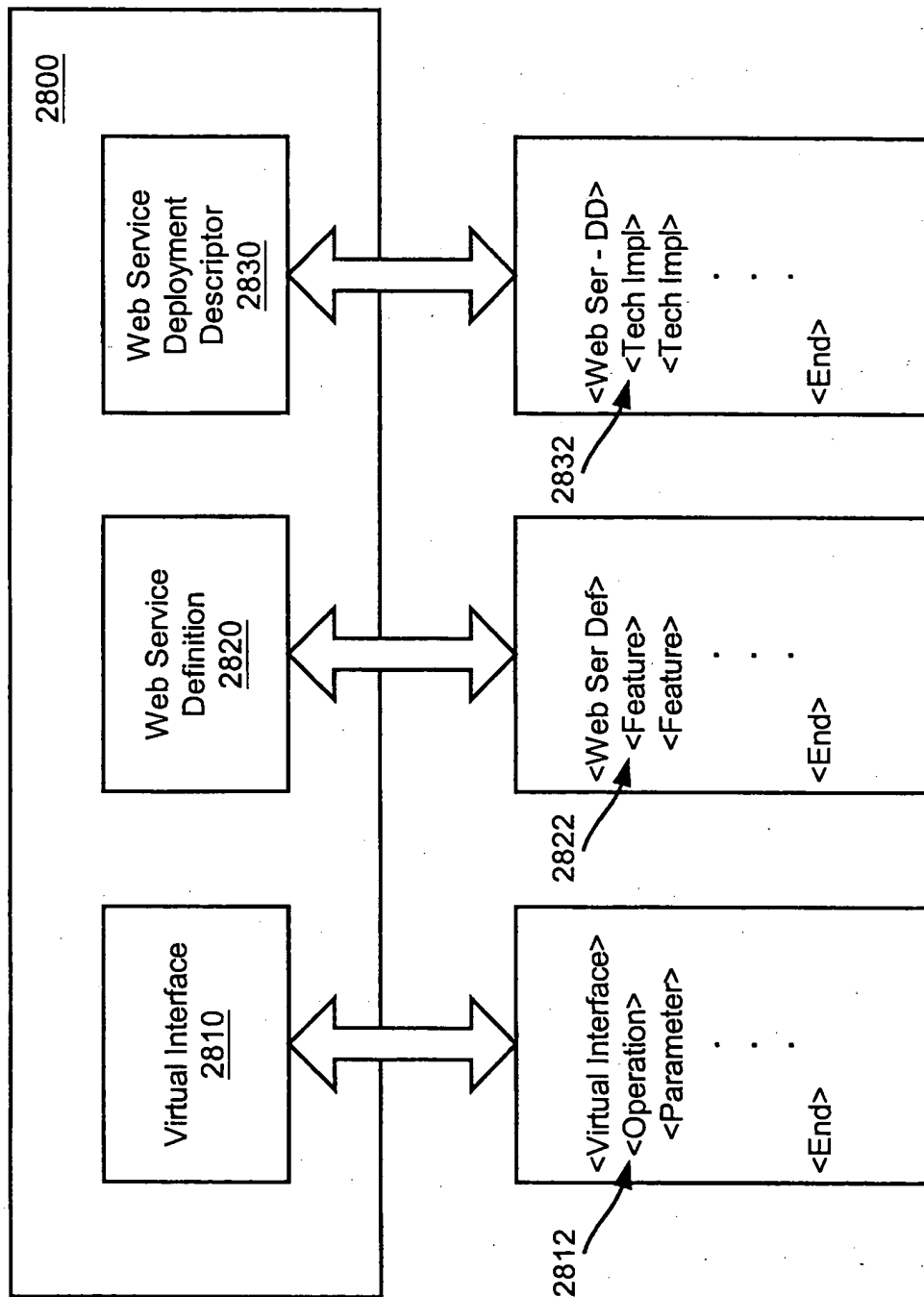


FIG. 28

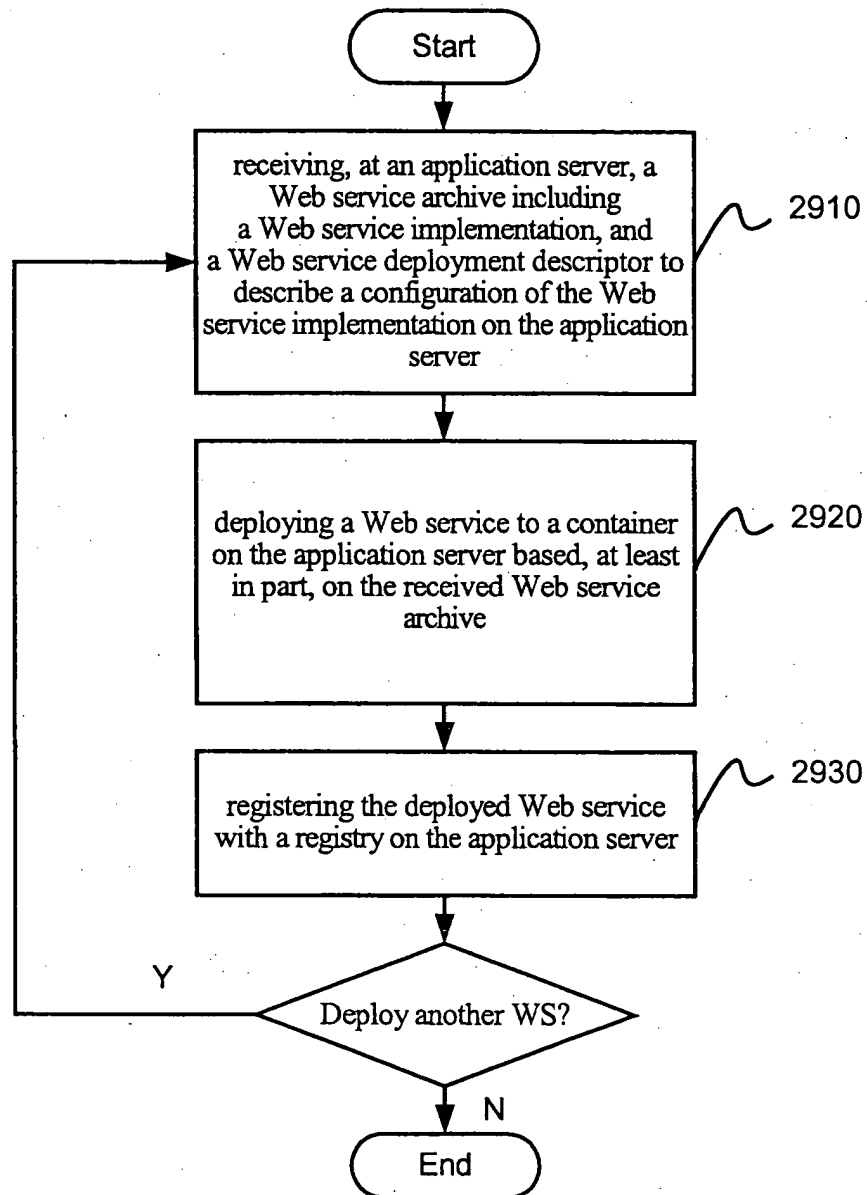


FIG. 29

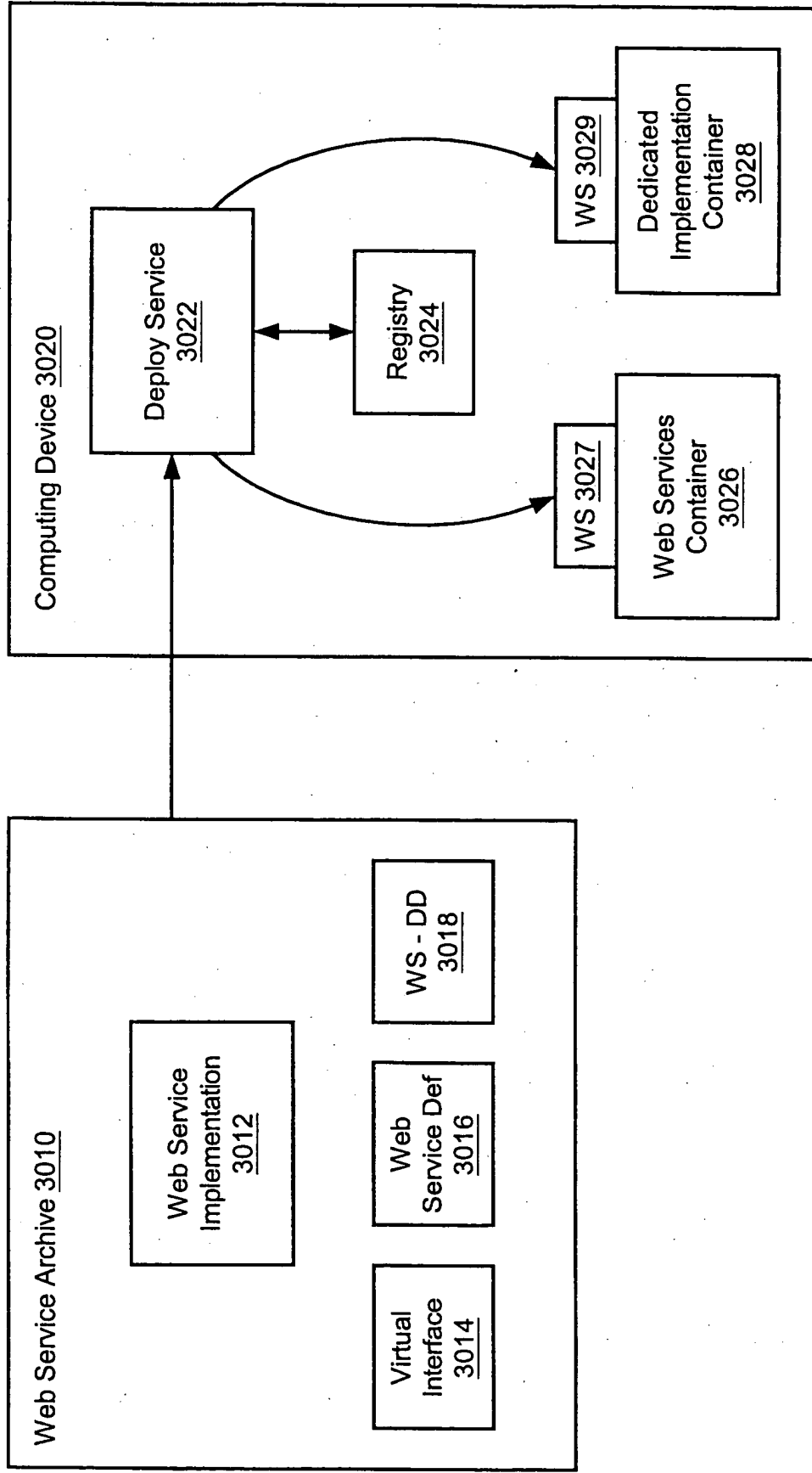


FIG. 30

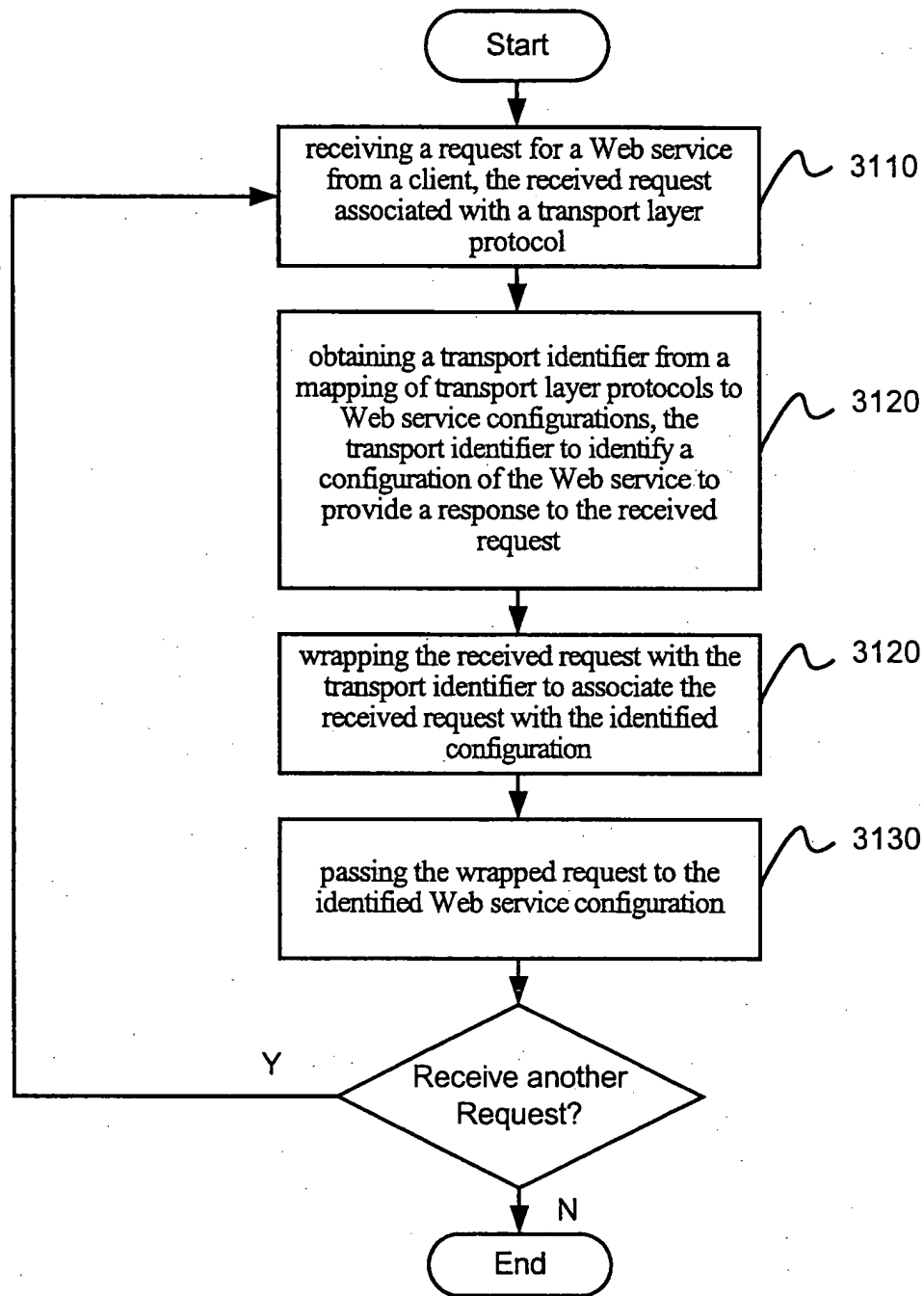


FIG. 31



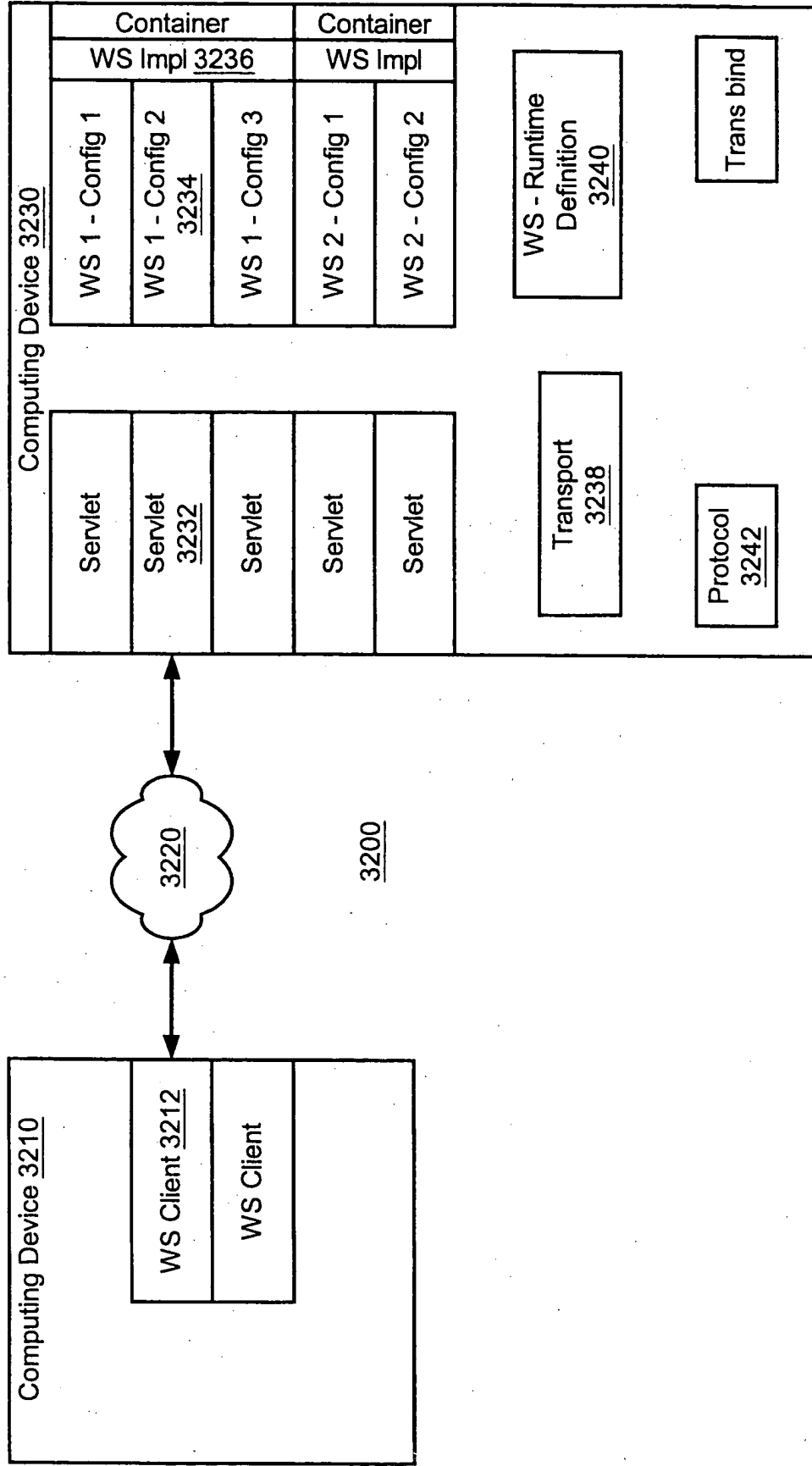


FIG. 32

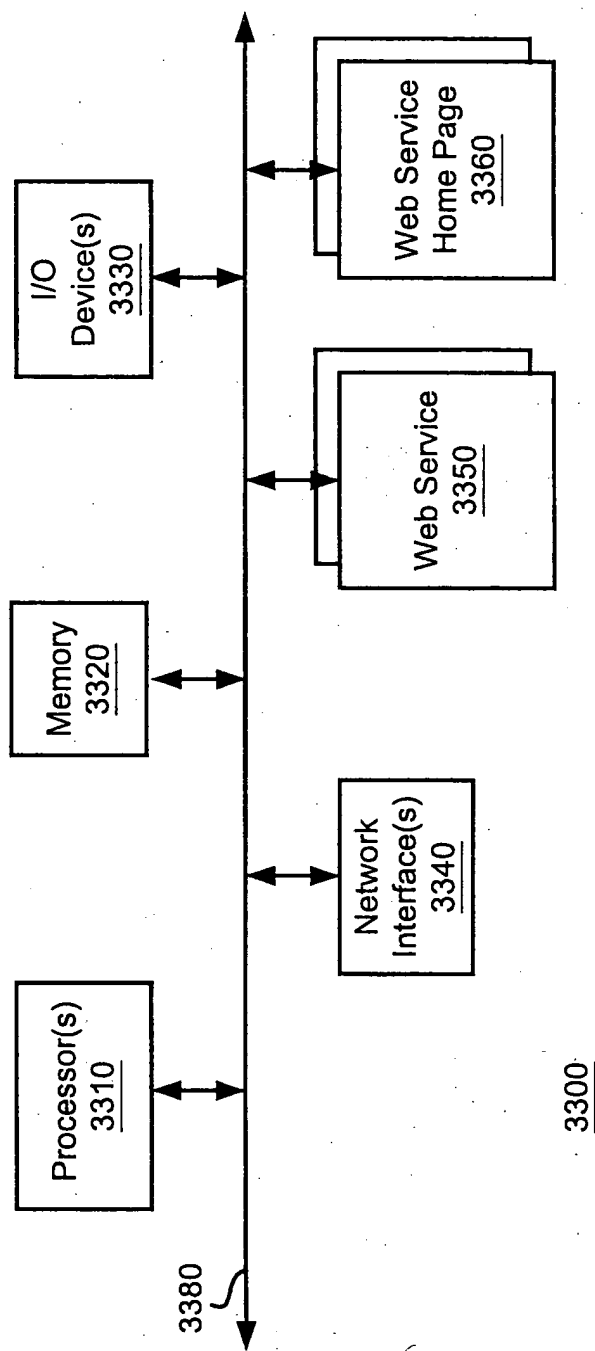


FIG. 33